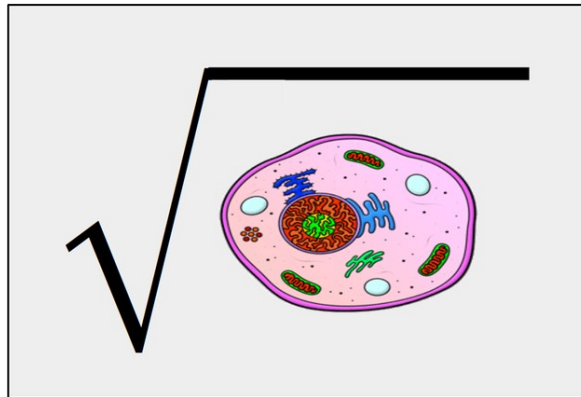


# Seminar on Trends and Methods in Mathematical Biology

(summer term 2017)



**location: APB 1096, Nöthnitzer Str. 46, Fak. Informatik**

(in parantheses: tutor name, AVB: Anja-Voß-Böhme, LB: Lutz Bruschi, TB: Thomas Buder, AD: Andreas Deutsch, talk: 30 min, discussion: 15 min, coffee break: 15 min)

## **17.5.17 (13.00-16.00)**

1. **13.00 Thomas Buder:** CellTrans: An R package to quantify stochastic cell state transitions (TB)
2. **14.00 Mats Leif Moskopp:** Cellular automaton model for lizard pattern formation (AD)
3. **15.00 George Batagiannis:** Second-order moment closure for lattice models of cell migration and adhesion (AVB)

## **14.6.17 (14.00-17.00)**

1. **14.00 Julian Rode:** Analytical parameter mapping and computational benchmarking for cell-based models (LB)
2. **15.00 Moritz Zeidler:** Stochastic tunneling during cancer evolution (TB)
3. **16.00 Michael Rank:** Stem cell divisions & cancer prevention (TB)

## **21.6.17 (14.00-17.00)**

1. **14.00 Josue Nava-Sedeno:** Kirkwood superposition technique for an off-lattice model of cell migration and adhesion (AVB)
2. **15.00 Patrick Breier:** Quantifying the dynamics of field cancerization (TB)
3. **16.00 Simon Syga:** On-lattice versus off-lattice cell-based models (LB)